

Dr. Kenneth M. Brooks
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EDUCATION

- Bachelor of Science in Physics (Cum Laude), Naval Postgraduate School (NPS), 1973
- Master of Science in Physics (With Distinction), Naval Postgraduate School, 1974
- Doctor of Philosophy, University of Washington, 1991

EMPLOYMENT

1959-1979	United States Navy Officer, retired in 1979.
1979-2001	Own a 185 acre farm in Port Townsend, WA.
1982-1992	Washington State - Environmental mediation and Chairman, Washington State Conservation Commission.
1986-1988	Doctorate, College of Ocean Sciences and Fisheries, University of Washington
1988-1990	Battelle Marine Science Laboratory, NORCUS grant
1993-1997	Director, Fisheries Technology Program, Peninsula College
1989-2005	Owner, Aquatic Environmental Sciences

ANALYSIS OF EXPERIENCE

Research: Biological studies focus on understanding organismal, population and community effects associated with natural and anthropogenic changes in aquatic ecosystems. Dr. Brooks has completed a number of benthic ecology studies examining the impact of organic loading and potentially toxic contaminants on invertebrate communities in marine and freshwater environments for government and industry. He has a broad range of mathematical tools, is competent in biometrics analysis, and has experience in developing analytically descriptive computer models.

Pressure treated wood. Ongoing research includes investigations of the aquatic risks posed by polycyclic aromatic hydrocarbons (PAH) and metals lost to aquatic environments in association with the use of treated wood under contract with the U.S. and Canadian governments and the wood treating industry. These studies are documented in a series of risk assessments, which include computer models predicting the environmental transport and fate of the preservatives. He has completed five major environmental scale risk assessments describing the environmental response to the use of pressure treated wood for the Canadian Government, the U.S. Forest Service, U.S. Environmental Protection Agency and industry.

Aquaculture. Dr. Brooks has seventeen years experience in evaluating the environmental effects associated with organic and inorganic waste and exotic species introductions in support of intensive aquaculture. His laboratory monitors ten of the 13 active salmon farms in Washington State and one-third of the farms in British Columbia. In addition, he has completed a series of intensive studies documenting the environmental effects associated with Atlantic salmon culture in British Columbia and is currently completing a series of similar studies describing the environmental response to intensive mussel culture in Totten Inlet, Washington. He has been under contract to the U.S. National Marine Fisheries Service since 1999 as part of a team conducting environmental risk assessments for various aspects of marine aquaculture. Dr. Brooks has been a member of the United Nations Joint Group of Experts on the Scientific Aspects of Marine Environmental Protection (GESAMP) since 2001 and is currently a member of two working groups evaluating the environmental risks associated with coastal aquaculture; developing management

recommendations for member nations; and comparing the environmental costs associated with aquaculture with capture fisheries and terrestrial agriculture.

Shellfish enhancement. A five-year study evaluating intertidal shellfish resources in South Central Alaska and developing hatchery and growout protocols for native little neck clams and cockles to enhance Native American subsistence shellfish resources was completed in 2001 with funding from the Exxon Valdez Trustees. Additional shellfish research involves long-term genetic and epizootiological studies of Washington State mussel populations to evaluate the potential for cultured *Mytilus edulis galloprovincialis* to displace *M. e. trossulus* and other intertidal organisms and an investigation into the disappearance of razor clams from traditional harvest beaches near Cordova, Alaska with funding from the U.S. Fish and Wildlife Service.

Dr. Brooks has 18 years experience delineating wetlands in Western Washington and designing and construction wetland mitigation projects. He inventoried all wetlands (211 wetlands) for the City of Ocean Shores with funding from the Department of Ecology. Over the last 18 years, he has delineated and rated nearly 400 wetlands in Western Washington and designed, constructed and monitored seven wetland mitigation projects, most of which were approved by the U.S. Army Corps of Engineers. In 1995 and 1996, he included a three week course on wetland functions and delineation as part of the Freshwater Ecology Course at Peninsula College.

Resource Management: The management skills developed in numerous management positions have been valuable in fulfilling the duties associated with the following resource management positions held in Washington State:

- o Chairman - Washington State Conservation Commission 1987 through 1989
- o Chairman - Washington Agriculture Natural Resource Forum (ANRF) 1988 through 1990
- o Chairman - Puget Sound Association of Conservation Districts 1984 - 1989
- o Chairman – Jefferson County Conservation District 1982 - 1987

These positions demanded creativity to generate new programs such as the Agriculture-Natural Resources Forum, leadership to encourage participation in voluntary programs and fiscal responsibility to manage budgets approaching two million dollars per year. The Conservation Commission includes the directors of the various state natural resource agencies and holds a legislated mandate to help coordinate their efforts to improve natural resource management. The commission elects the chairman annually. During this period, Dr. Brooks provided environmental mediation services for Governor Gardner's administration. He successfully mediated several natural resource issues of state-wide significance.

Teaching: Professor Brooks was the Director of the Fisheries Technology Program at Peninsula College for five years. In addition to administering the program, he taught courses in Freshwater and Marine Ecology, Biostatistics, Mathematical Assessment of Populations I and II, Fish Physiology, Life History and Ecology of Fishes, Taxonomy of Fishes; Invertebrate Taxonomy; Invertebrate Physiology; Communications; and Computer Skills for Biometricians. Several of these courses were accepted for upper division credit at the University of Washington.

Professional Affiliations:

- o National Shellfisheries Association
- o Sigma Xi
- o Society of Environmental Toxicologists and Chemists

HONORS

- Recognized by the Daughters of the American Revolution as the outstanding U.S. Navy Pilot in 1961.
- Awarded a gold watch by President John F. Kennedy as the Outstanding U.S. Naval Aviator in 1962.
- Faculty Merit Award for Academic Achievement (Presented to the graduate student with the highest academic achievement during the previous year) - University of Washington, 1991.
- Chapman Scholarship - University of Washington, 1988.
- All degrees awarded with honours, Naval Postgraduate School, 1973 and 1974.
- Mewborne Research Award - Presented annually by the Secretary of the Navy for the "most scholarly and significant research conducted at a naval institution." 1975.
- Dr. Edward Teller Program Award for the first imaging of the laser induced thermonuclear burn, Lawrence Livermore Laboratories, 1976.

Certified to be a true copy

Dr. Kenneth M. Brooks, January 17, 2005

Selected Publications:

- Brooks, K. M. and Elston, R. A. 1989. Epizootiology of hemic neoplasia in *Mytilus trossulus* in Washington State, Part I. *J. Shellfish Res.*, 8:411
- Elston, R., Bonar, D., Brooks, K., Gee, A., Miahle, E., Moore, J., Noel, D., and Stephens, L. 1990b. Studies on pathogenesis and etiology of circulating sarcomas in *Mytilus*. 4th Internat. Colloq. Pathol. Marine Aquacul., 17-21 Sept., Vigo (Pontevedra), Spain, p. 119.
- Brooks, K. M. and Elston R. A. 1991. Epizootiology of hemic neoplasia in *Mytilus trossulus* in Washington State, Part II. *J. Shellfish Res.*, 10:223
- Brooks, K. M. 1991. The Genetics and Epizootiology of Hemic Neoplasia in *Mytilus edulis*. 1991. Ph.D. dissertation, University of Washington, Seattle, WA. 282 pp.
- Brooks, K.M. 1991. Shellfish Inventory and Management Considerations associated with the intensive cultivation of *Crassostrea gigas* in California and Washington by Coast Oyster Company. Report prepared for First Interstate Bank, Seattle, Washington.
- Brooks, K. M. 1992. Infaunal community structure changes associated with organic loading at an intensive salmon husbandry site. Report to the Washington State Department of Natural Resources, Olympia, Washington. 19 pp.
- Brooks, K. M. 1992. Review of bacterial and toxicant contamination in Dyes Inlet, WA and request for shellfish harvest certification of Chico Bay, Phiney Bay and the east side of Erland Point, all in Dyes Inlet, Kitsap County, Washington. 21 pp.
- Brooks, K.M. 1993. Literature Review and Assessment of the Environmental Risks Associated with the Use of Treated Wood Products in Aquatic Environments. Report prepared for, and published by, the Western Wood Preservers Association, 601 Main Street, Suite 401, Vancouver, WA 98550.
- Brooks, K.M. 1993. Impacts on Benthic Invertebrate Communities Associated with the Aerial Application of Carbaryl to Control Burrowing Shrimp on Cultivated Oyster Beds in Willapa Bay for the U.S. Environmental Protection Agency. 63 pp.
- Brooks, K.M. 1993. Integrated Pest Management Program Development. Differential pesticide impacts on closely related invertebrate species in eelgrass meadows of Pacific Northwest estuaries. Pacific Estuarine Research Society Annual Meeting, Long Beach, WA, May 14, 1993. 47 pp.
- Brooks, K.M. 1993. Recovery of benthic communities associated with interrupted production at a commercial salmon net-pen in Port Townsend, WA. Report to the Washington State Department of Natural Resources. (Included in the annual monitoring report for the Paradise Bay net pen site.)

- Brooks, K.M. 1993. Changes in arthropod and mollusk populations associated with the application of Sevin™ to control burrowing shrimp in Willapa Bay, Washington - July to September, 1992. Report to the US EPA, Contract BSCC 692. 31 pp. plus appendices.
- Brooks, K.M. 1994. Histopathological Examination of Archived Bivalves *Mytilus edulis trossulus* and *Protothaca staminea* in Support of the Prince William Sound Long Term Monitoring Program. Report to NOAA/ORCA/HMRAD/ORCA32. 7600 Sand Point Way NE, Seattle, WA 98115. 40 pp.
- Brooks, K.M. 1995. Literature Review, Computer Model and Assessment of the Potential Environmental Risks Associated With Creosote Treated Wood Products Used in Aquatic Environments. Published by the Western Wood Preservers Institute, 601 Main Street, Suite 401, Vancouver, WA 98660. 137 pp.
- Brooks, K.M. 1995. Assessment of the Environmental Risks Associated with the Use of Treated Wood in Lotic Systems. Published by the Western Wood Preservers Institute, 601 Main Street, Suite 401, WA 98660. 17 pp.
- Brooks, K.M. 1995. Aquatic Environmental Risk Assessments and a Spreadsheet Model Predicting Creosote Treated Wood Contributions of Polycyclic Aromatic Hydrocarbons to the Water Column and Sediments. ASTM Conference Proceedings. Fifth Symposium on Environmental Toxicology and Risk Assessments: Biomarkers and Risk Assessment. Sponsored by: ASTM Committee E-47 on Biological Effects and Environmental Fate. April 3 - 5, 1995. Denver, Colorado.
- Brooks, K.M. 1995. Long Term Response of Benthic Invertebrate Communities Associated with the Application of Carbaryl (Sevin™) to Control Burrowing Shrimp, and an Assessment of the habitat Value of Cultivated Pacific Oyster (*Crassostrea gigas*) Beds in Willapa Bay, Washington to Fulfill Requirements of the EPA Carbaryl Data Call In. Report to the U.S. EPA under Contract BSCC 692. 69 pp.
- Brooks, K.M. 1996. Evaluating the environmental risks associated with the use of chromated copper arsenate-treated wood products in aquatic environments. *Estuaries* Vol. 19, No. 2A, p. 296-305.
- Brooks, K.M., D.E. Konasewich, H.C. Bailey, E.B. Szenasy and G.E. Bruderemann. 1996. Antisapstain chemical Technical Review. Prepared for the British Columbia Ministry of Environment; Subcommittee on Antisapstain chemical Waste Control Regulation Amendments of the B.C. Stakeholder Forum on Sapstain Control. 133 pp.
- Brooks, K.M. 1996. Baseline Shellfish Surveys of Tidelands Near the Tatitlek, Nanwalek and Port Graham Villages in Support of the Nanwalek/Port Graham/Tatitlek Clam Restoration Project; Exxon Valdez Oil Spill Trustee Council Project Number 95131. 52 p. plus appendices.

- Brooks, K.M. 1996. Assessment and Management of Wastes Associated with the Intensive Culture of Salmon in British Columbia, Canada. Prepared for the B.C. Salmon Farmers Association, Vancouver, B.C. 47 pp.
- Brooks, K.M. 1996. September, 1996, Baseline electrophoretic survey of mussels, *Mytilus edulis trossulus* and *Mytilus edulis galloprovincialis* in Holmes Harbor, Washington. Produced for Taylor United, Inc. Southeast 130 Lynch Road, Shelton, Washington 98584 in fulfillment of conditions of Island County Shoreline Substantial Development Permit SPD 013/94 and Army Corps of Engineers Permit COE (94-1-00327). 13 pp.
- Brooks, K.M. 1996. City of Ocean Shores Wetland Inventory. Produced for the City of Ocean Shores under Department of Ecology Grant G9600033. 28 pp. plus appendices.
- Brooks, K.M. 1997. Literature Review and Assessment of the Environmental Risks Associated with the Use of ACZA Treated Wood Products in Aquatic Environments. Second Edition. Prepared for the Western Wood Preservers' Institute 7017 NE Highway 99, Suite 108, Vancouver, WA 98665. 98 pp.
- Brooks, K.M. 1997. Literature Review and Assessment of the Environmental Risks Associated With the Use of CCA Treated Wood Products in Aquatic Environments. 3rd Edition. Prepared for the Western Wood Preservers Institute, 7017 NE Highway 99 Ste. 108, Vancouver, WA 98665. 100 pp.
- Brooks, K.M. 1997. Final Report – PAH Sediment Sampling Study in River South Parcel – July 17, 1996 to August 26, 1997. Prepared for Commonwealth Edison Company, Environmental Services Department, One First National Plaza, 10 South Dearborn, Chicago, Illinois 60690. 21 pp. plus appendices.
- Brooks, K.M. 1998. Literature Review and Assessment of the Environmental Risks Associated With the Use of ACQ Treated Wood Products in Aquatic Environments. Prepared for: Western Wood Preservers Institute, 7017 NE Highway 99, Suite 108, Vancouver, WA 98665.
- Brooks, K.M. 1998. Literature Review, Computer Model and Assessment of the Potential environmental risks Associated with Pentachlorophenol Treated Wood Products Used in Aquatic Environments. Prepared for: Western Wood Preservers Institute, 7017 NE Highway 99, Suite 108, Vancouver, WA 98665.
- Brooks, K.M. 1998. 1998 Annual Report of the Evaluation of Polycyclic Aromatic Hydrocarbon Migration From Railway Ties Into Ballast and Adjacent Wetlands – a Mesocosm Study. Prepared for Dr. Richard Monzingo, Commonwealth Edison, P.O. Box 767, Chicago, IL 60690-0767 for submission to the U.S. Fish and Wildlife Service. 34 pages plus appendices.

- Brooks, K.M. 2000. Environmental effects associated with the use of CCA-C, ACZA and ACQ-B pressure treated wood used to construct boardwalks in wetland areas. U.S. Department of Agriculture – Forest Products Laboratory, Research Paper FPL-RP-582. 126 pp. plus appendices.
- Brooks, K.M. 2000. Assessment of the environmental effects associated with wooden bridges preserved with creosote, pentachlorophenol or chromated-copper-arsenate (CCA-C). U.S. Department of Agriculture – Res. Pap. FPL-RP-587. Madison, WI: U.S. Department of Agriculture, Forest Service, Forest Products Laboratory, 100 pp.
- Brooks, K.M. 1999. Stolt Canada Arrow Pass Salmon Farm Benthic and Shellfish Effects Study 1996 – 1997. Produced for Stolt Sea Farm Incorporated, 1405 Spruce Street, Campbell River, British Columbia, Canada V9W 7K1. 107 pp. plus appendices.
- Brooks, K.M. 2000. Final Report – Evaluation of Polycyclic Aromatic Hydrocarbon Migration From Railway Ties Into Ballast and Adjacent Wetlands. Midwest Generation, Corporate EH&S Group, 440 S Lasalle Street, Suite 3500, Chicago, IL 60605. 94 pp.
- Brooks, K.M. 2000. Sediment concentrations of sulfides and total volatile solids near salmon farms in British Columbia, Canada, during the period June through August, 2000 and recommendations for additional sampling. Prepared for the British Columbia Ministry of Environment and the British Columbia Salmon Farmers' Association. 16 pp.
- Brooks, K.M. 2000. Literature review and model evaluation describing the environmental effects and carrying capacity associated with the intensive culture of mussels (*Mytilus edulis galloprovincialis*). Technical appendix for an Environmental Impact Statement prepared for Taylor Resources, Southeast 130 Lynch Road, Shelton, WA 98584. 129 pp.
- Brooks, K.M. 2000. Determination of copper loss rates from Flexgard XI™ treated nets in marine environments and evaluation of the resulting environmental risks. Report prepared for the British Columbia Ministry of Environment and the British Columbia Salmon Farmers Association. 24 pp.
- Brooks, K.M. 2000. Sediment concentrations of zinc near salmon farms in British Columbia, Canada during the period June through August 2000. Report prepared for the British Columbia Ministry of Environment and the British Columbia Salmon Farmers Association. 12 pp.
- Brooks, K.M. 2000. Results of the June 2000 interim salmon farm monitoring at Stolt Sea Farm, Inc. salmon aquaculture tenures located in British Columbia. Report prepared for Stolt Sea Farm, Inc. 1261 Redwood Street, Campbell River, British Columbia, Canada V9W 3K7. 93 pp.

- Brooks, K.M. 2000. Results of the June 2000 interim salmon farm monitoring at Pacific National Group netpens located in Clayoquot Sound, British Columbia. Report prepared for Pacific National Group, 737 Yates Street – Suite 310, Victoria, British Columbia, Canada V8W 1L6. 35 pp.
- Brooks, K.M. 2000. Database report describing sediment physicochemical response to salmon farming in British Columbia from 1996 through April 2000. Report prepared for the British Columbia Ministry of Environment and the British Columbia Salmon Farmers Association, 408 West Pender Street, Vancouver, British Columbia, Canada V6E 2S9. 41 pp.
- Brooks, K.M. 2000. Results of the Fall 2000 interim salmon farm monitoring at tenures operated by Stolt Sea Farms and Pacific National Aquaculture in British Columbia. Prepared for the British Columbia Salmon Farmers' Association. Number 408 – 1200 West Pender Street, Vancouver, British Columbia, Canada V6E 2S9. 15 pp.
- Brooks, K.M. 2000. Recommended interim sediment quality guidelines for evaluating the environmental response to marine netpen culture operations. Prepared for the British Columbia Salmon Farmers' Association, Number 408 – 1200 West Pender Street, Vancouver, British Columbia, Canada V6E 2S9. 11 pp.
- Brooks, K.M. 2001. Final Report – Chugach Regional Resources Commission Bivalve Enhancement Program – Bivalve inventories and native littleneck clam (*Protothaca staminea*) culture studies – Exxon Valdez Oil Spill Trustee Council Project Number 95131. 189 pp.
- Brooks, K.M. 2001. Chapter 4. Salmon Farming and the Environment. In: Nash (2001) The Net-pen Salmon Farming Industry in the Pacific Northwest. NOAA Technical Memorandum NMFS-NWFS-NWFSC-49. pp. 36 – 73.
- Brooks, K.M. 2001. An evaluation of the relationship between salmon farm biomass, organic inputs to sediments, physicochemical changes associated with those inputs and the infaunal response – with emphasis on total sediment sulfides, total volatile solids, and oxidation-reduction potential as surrogate endpoints for biological monitoring – Final Report. Technical report produced for the Technical Advisory Group (TAG) to the British Columbia Ministry of Environment, 2080-A Labieux Road, Nanaimo, British Columbia, Canada V9T 6J9. 186 pp. plus appendices.
- Brooks, K.M. 2001. Dungeness crab (*Cancer magister*) and spot prawn (*Pandalus platyceros*) holding and feeding studies in support of Emamectin Benzoate acute toxicity testing. Technical report produced for Dr. Rejean Berman, Schering-Plough Animal Health, 3535 Trans-Canada Highway, Pointe-Claire, Quebec, Canada H9R 1B4. 50 pp.
- Brooks, K.M. 2001. Results of Summer 2001 interim salmon farm monitoring at Pacific National Aquaculture netpens located in Clayoquot Sound, British Columbia. Technical reported prepared for Pacific National Aquaculture, 1001 Wharf Street – Suite 300, Victoria, British Columbia, Canada V8W 1T8. 65 pp.

- Brooks, K.M. 2001. Results of the July 2001 interim salmon farm monitoring at Stolt Sea Farm, Inc. salmon aquaculture tenures located in British Columbia. Technical report prepared for Stolt Sea Farm, Inc. 1261 Redwood Street, Campbell River, British Columbia, Canada V9W 3K7. 64 pp.
- Brooks, K.M. 2001. New salmon net-pen site assessments and baseline surveys at Beddingfield and South Millar Channel, Clayoquot Sound, British Columbia. Technical reported prepared for Pacific National Aquaculture, 1001 Wharf Street – Suite 300, Victoria, British Columbia, Canada V8W 1T8. 21 pp.
- Brooks, K.M. 2001. Native littleneck clam (*Protothaca staminea*) culture and associated environmental effects in Alaska. Technical paper presented at the November 13 – 14, 2001 Alaska Sea Grant Program conference in Anchorage, Alaska. 23 pp.
- Brooks, K.M. 2001. Recommendations to the British Columbia Farmed Salmon Waste Management Technical Advisory Group for Biological and Physicochemical Performance Standards Applicable to Marine Netpens. Technical report produced for the Technical Advisory Group of the British Columbia Ministry of Environment, 2080-A Labieux Road, Nanaimo, British Columbia, Canada V9T 6J9. 24 pp.
- Brooks, K.M. 2001. Environmental assessment and monitoring program associated with aquaculture production facilities operated by Hubbs SeaWorld Research Institute at the Grace oil drilling platform in the Santa Barbara Channel, California. Technical report prepared for Hubbs SeaWorld Research Institute, 2595 Ingraham Street, San Diego, California 92109. 26 pp.
- Brooks, K.M. 2002. Results of the July 2001 interim salmon farm monitoring at Stolt Sea Farm, Inc. salmon aquaculture tenures located in British Columbia. Technical report prepared for Stolt Sea Farm, Inc. 1261 Redwood Street, Campbell River, British Columbia, Canada V9W 3K7. 81 pp.
- Brooks, K.M. 2002. Copper loss from copper naphthenate treated piling immersed in fresh water. Technical report prepared for Mr. James A. Brient, Naphthenic Acid Technology Manager, Merichem Company Research Center, 1503 Central, Houston, Texas 77012-2797. 9 pp. plus appendices.
- Brooks, K.M. 2002. Literature review, computer model and assessment of the potential environmental risks associated with copper naphthenate treated wood products used in aquatic environments. Technical report prepared for Mr. Gerald E. Davis, Merichem Chemicals and Refinery Services LLC, 2701 Warrior Road, P.O. Box 40777, Tuscaloosa, Alabama 24404. 22 pp.
- Brooks, K.M. 2002. Characterizing the environmental response to pressure treated wood. Proceedings. In: Enhancing the Durability of Lumber and Engineered Wood Products”, Forest Products Society, 2801 Marshall Court, Madison, WI 53705-2299. pp. Annual Meeting, February 11 – 13, 2002, Kissimmee, Florida. Pp. 59-71.

- Brooks, K.M., C. Mahnken and C. Nash. 2002. Environmental Effects Associated with Marine Netpen Waste with Emphasis on Salmon Farming in the Pacific Northwest. In: Responsible Marine Aquaculture, Eds: Stickney and McVey. CABI Publishing, Wallingford, United Kingdom pp. 159 – 204.
- Brooks, K.M. and C.V.W. Mahnken. 2003. Interactions of Atlantic Salmon in the Pacific Northwest Environment. II. Organic Wastes. Fisheries Research, Vol. 62, Issue 3, pp. 255 – 293.
- Brooks, K.M. and C.V.W. Mahnken. 2003. Interactions of Atlantic salmon in the Pacific Northwest Environment. III. Accumulation of zinc and copper. Fisheries Research, Vol. 62, Issue 3, pp. 295-305.
- Brooks, K.M. 2003. Chemical and biological remediation of the benthos near Atlantic salmon farms. [Aquaculture, Volume 219, Issues 1-4](#), pp. 355-377.
- Brooks, K.M. 2003. Chemical and Biological Remediation at the Upper Retreat Atlantic Salmon Farm in Retreat Passage, Broughton Archipelago, British Columbia – Tenure 1404379. Technical report prepared for Stolt Sea Farms, 1761 Redwood Street, Campbell River, British Columbia, Canada V9W 3K7. 34 pp.
- Brooks, K.M. 2003. An assessment of whether pink salmon (*Oncorhynchus gorbuschai*) runs in the Broughton Archipelago of British Columbia, Canada are threatened by sea lice (*Lepeophtheirus salmonis*) infections originating on cultured Atlantic salmon (*Salmo salar*). Legal affidavit prepared for Mr. Christopher Harvey, Q.C., MacKenzie Fujisawa Barristers & Solicitors, 1600-1095 West Pender Street, Vancouver, British Columbia Canada V6E 2M6 57 pp.
- Brooks, K.M. 2003. Comments regarding the Environmental Protection Agencies Draft preliminary Risk Assessment on Creosote. Technical response provided to U.S. Creosote Council II, care-of Mr. David Webb, 357 Browns Hill Road, Valencia, PA 16059. 47 pp.
- Brooks, K.M. 2003. Comments regarding the Environmental Protection Agency's Draft Preliminary Risk Assessment for Arsenical Wood Preservatives. Technical response provided to the Arsenical Wood Preservatives Task Force, American Chemistry Council, care-of Mr. Has Shah, 1300 Wilson Blvd., Arlington, VA 22209. 41 pp.
- Brooks, K.M. 2003. Environmental Risk Assessment for CCA-C and ACZA Treated Wood. Technical report prepared for the Western Wood Preservers Institute, 7017 NE Highway 99 Ste. 108, Vancouver, WA 98665. 40 pp.
- Brooks, K.M. 2003. Metal loss rates from southern yellow pine treated with ACQ-C preservative amended with and without water repellents and from CCA-C treated wood. Technical report produced for Chemical Specialties Inc. One Woodlawn Green, Suite 250, Charlotte, North Carolina 28217. 31 pp. plus appendices.

- Brooks, K.M. 2003. Metal loss rates as a function of rainfall from southern yellow pine treated with ACQ-C preservative amended with and without water repellents. Technical report produced for Chemical Specialties Inc. One Woodlawn Green, Suite 250, Charlotte, North Carolina 28217. 31 pp. plus appendices. 22 pp. plus appendices.
- Brooks, K.M. 2003. Environmental response to the use of ACQ-C, CCA-C Tebuconazole, and Untreated southern yellow pine floats and posts in Montgomery's Pond. Technical report produced for Chemical Specialties Inc. One Woodlawn Green, Suite 250, Charlotte, North Carolina 28217. 31 pp. plus appendices. 141 pp. plus appendices.
- Brooks, K.M. 2003. Application of the Infaunal Trophic Index to the evaluation of macrobenthic effects associated with salmon farming in British Columbia. Technical report prepared for the British Columbia Ministry of Agriculture, Food and Fisheries. 30 pp.
- Brooks, K.M. 2003. Measurement of nutrients in bottom water under and adjacent to the Deepwater Point mussel farm in Totten Inlet, Washington. Prepared for the Pacific Shellfish Institute, 120 State Avenue NE #142, Olympia, Washington as part of Department of Commerce Award No. NA16RG1591. 9 pp.
- Brooks, K.M. 2004. Metal loss rates in a dynamic leaching system from Strong-Seal™ fibreglass wrapped CCA-C treated wood. Technical report prepared for Wood Preservers Incorporated, P.O. Box 158, Warsaw, Virginia 22572. 8 pp.
- Brooks, K.M. 2004. Environmental response to creosote treated wood structures in Puget Sound, Washington. Technical report prepared for U.S. Creosote Council II, care-of Mr. David Webb, 357 Browns Hill Road, Valencia, PA 16059. 52 pp.
- Brooks, K.M. 2004. Creosote treated piling – perceptions versus reality. Public outreach document prepared for U.S. Creosote Council II, care-of Mr. David Webb, 357 Browns Hill Road, Valencia, PA 16059. 15 pp.
- Brooks, K.M. 2004. Baseline inventory of macrobenthos at Stolt Sea Farms' Humphrey Rocks Tenure in Tribune Channel, Broughton Archipelago, British Columbia. Technical report prepared for Stolt Sea Farms, 1761 Redwood Street, Campbell River, British Columbia, Canada V9W 3K7. 18 pp.
- Brooks, K.M. , A.R. Stierns and C. Backman. 2004. Seven year remediation study at the Carrie Bay Atlantic salmon (*Salmo salar*) farm in the Broughton Archipelago, British Columbia, Canada. Aquaculture. Aquaculture 239, pp. 81-123.
- Brooks, K.M. 2004. Evaluation of the macrobenthic community at the edge of tenure on the 300 °T transect at Stolt Sea Farms' Swanson Island Tenure (Number 1304381) in the Broughton Archipelago, British Columbia. Technical report prepared for Stolt Sea Farms, 1761 Redwood Street, Campbell River, British Columbia, Canada V9W 3K7. 12 pp.

- Brooks, K.M. 2004. Polycyclic Aromatic Hydrocarbon Migration From Creosote-Treated Railway Ties Into Ballast and Adjacent Wetlands. Res. Pap. FPL-RP-617. Madison, WI: U.S. Department of Agriculture, Forest Service, Forest Products Laboratory. 53 pp.
- Brooks, K.M. 2004. Modelling, managing and assessing the environmental risks associated with the use of creosote treated wood products. Technical report prepared for Creosote Council Europe, care of Per Bech A/S, Koppers Denmark, Avernakke, 5800, Nyborg, Denmark. 84 pp.
- Brooks, K.M. 2004. Environmental feasibility study for aquaculture in Port Angeles Harbor and the Straits of Juan de Fuca. Technical report prepared for Olympic Aqua Ventures, L.L.C., 111 Hurricane View Lane Port Angeles, WA 98362 42 pp.
- Brooks, K.M. 2004. September 2004 sediment physicochemical monitoring at Hubbs-SeaWorld Research Institute's enhancement netpens located at Santa Catalina Island, Aqua Hedionda Laboon and San Diego Bay. Technical report prepared for Hubbs-SeaWorld Research Institute 2595 Ingraham Street, San Diego, CA 92109. 29 pp.
- Brooks, K.M. 2004. Environmental response to ACZA treated wood structures in Pacific Northwest marine environments. Technical report prepared for J.H. Baxter and Company, 1700 South El Camino Real, San Mateo, CA 94402. 30 pp.
- Brooks, K.M. 2005 (In-review) Computer model and risk assessment predicting the aquatic environmental response to bridges constructed using creosote preserved wood. Technical report prepared for the U.S. Department of Agriculture, Forest Service, Forest Products Laboratory, Madison, WI 53705. Timber Bridge Joint Venture Agreement 01-JV-11111136-104. 86 pp.
- Brooks, K.M. 2005. The epibenthic community observed in association with the intensive raft culture of *Mytilus edulis galloprovincialis* in Totten Inlet, Washington. Funded by the U.S. Department of Commerce Award No. NA16RG1591. Submitted to Pacific Shellfish Institute, 120 State Avenue NE #142, Olympia, WA 98501.
- Brooks, K.M. 2005. Copper and tebuconazole loss rates from southern yellow pine treated to a retention of 0.246 pounds per cubic foot with CA-B preservative. Technical report produced for Arch Wood Protection, 1955 Lake Park Drive, Smyrna, Georgia 30080. 38 pp. plus appendices.
- Brooks, K.M. 2005. Baseline information describing sediment physicochemistry of Totten Inlet and the macrobenthos of the proposed North Totten Inlet mussel farm. Technical report prepared for Taylor Resources, Southeast 130 Lynch Road, Shelton, WA 98584. 53 pp.
- Brooks, K.M. 2005. Benthic response at the Deepwater Point mussel farm in Totten Inlet, Puget Sound, Washington State USA. Technical report prepared for Taylor Resources, Southeast 130 Lynch Road, Shelton, WA 98584. 45 pp.

- Brooks, K.M. 2005. Biological evaluation and essential fish habitat assessment – road crossing over the Middle Branch of Cassalery Creek and adjacent wetlands. U.S. Army Corps of Engineers Reference D200401495-3755. Prepared for Four Seasons Engineering, Port Angeles, Washington 98362. 19 pp.
- Brooks, K.M. 2005. Metal loss rates to rainfall falling on 2”x6” lumber treated with Ammoniacal Copper Zinc Arsenate (ACZA) preservative. Technical report produced for J.H. Baxter and Company, 1700 South El Camino Real, San Mateo, CA 94402. 12pp.
- Brooks, K.M. 2005. Copper, zinc and arsenic loss rates from Douglas fir piling treated to a nominal retentions 1.0 and 1.5 pounds per cubic foot with Ammoniacal Copper Zinc Arsenate (ACZA) preservative and receiving four different post treatment Best Management Practices designed to minimize metal losses to fresh- and saltwater environments. Technical report prepared for J.H. Baxter and Company, 1700 South El Camino Real, San Mateo, CA 94402. 41 pp.
- Brooks, K.M. 2005. The affects of water temperature, salinity and currents on the survival and distribution of the infective copepodid stage of sea lice (*Lepeophtheirus salmonis*) originating on Atlantic salmon farms in the Broughton Archipelago of British Columbia, Canada. Reviews in Fisheries Science. 13:177-204.
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